

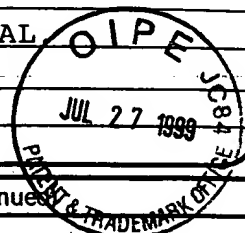
FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.
These are the fees effective October 1, 1997.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 569.00

Complete if Known

Application Number
Filing Date
First Named Inventor KIMLE, ET AL
Examiner Name
Group / Art Unit
Attorney Docket No. P03566US0



METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 26-0084
Deposit Account Name ZARLEY LAW FIRM

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17
☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Meeting of the Notice of Allowance

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|--------------|
| 101 790 | 201 395 | Utility filing fee | 380.00 |
| 106 330 | 206 165 | Design filing fee | |
| 107 540 | 207 270 | Plant filing fee | |
| 108 790 | 208 395 | Reissue filing fee | |
| 114 150 | 214 75 | Provisional filing fee | |
| SUBTOTAL (1) | | | (\$) 380.00 |

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 28 | 20** = 8 | 9.00 | 72.00 |
| 6 | 3** = 3 | 39.00 | 117.00 |
| Multiple Dependent | | | |

**or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|--------------|
| 103 22 | 203 11 | Claims in excess of 20 | |
| 102 82 | 202 41 | Independent claims in excess of 3 | |
| 104 270 | 204 135 | Multiple dependent claim, if not paid | |
| 109 82 | 209 41 | ** Reissue independent claims over original patent | |
| 110 22 | 210 11 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | (\$) 189.00 |

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | |
| 116 400 | 216 200 | Extension for reply within second month | |
| 117 950 | 217 475 | Extension for reply within third month | |
| 118 1,510 | 218 755 | Extension for reply within fourth month | |
| 128 2,060 | 228 1,030 | Extension for reply within fifth month | |
| 119 310 | 219 155 | Notice of Appeal | |
| 120 310 | 220 155 | Filing a brief in support of an appeal | |
| 121 270 | 221 135 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,320 | 241 660 | Petition to revive - unintentional | |
| 142 1,320 | 242 660 | Utility issue fee (or reissue) | |
| 143 450 | 243 225 | Design issue fee | |
| 144 670 | 244 335 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Petitions related to provisional applications | |
| 126 240 | 126 240 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | |
| 146 790 | 246 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 790 | 249 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |

Other fee (specify) _____

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

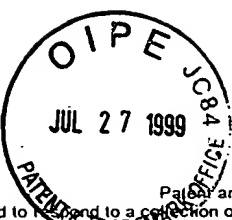
SUBMITTED BY

Typed or Printed Name Daniel J. Cosgrove
Signature [Signature]
Date 6/18/99

Complete (if applicable)

Reg. Number 36,770
Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (2/93)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney/Agent No.

P03566US0

First Inventor or Application Identifier

KEVIN L. KIMLE

Title

METHOD FOR ELECTRONICALLY INITIATING AND

Express Mail Label No.

INITIATING AND MANAGING AGRICULTURAL

PRODUCTION CONTROLS

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

Express EL 3 25956680
45

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 36]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. [27] Drawing(s) (35 U.S.C. 113) [Total Sheets 29]
4. Oath or Declaration [Total Pages 1]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
(Note Box 5 below)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b, is
considered to be part of the disclosure of the accompanying
application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS/PTO-1449) ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☒ Small Entity Statement(s) ☒ Statement filed in prior application,
(PTO/SB/09-12) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: EL325950680US.....

NOTE FOR ITEMS 13-14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.17). EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.17).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 60,090,198

Prior application information: Examiner

Group / Art Unit:

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name: DANIEL J. COSGROVE
Zarley, McKee, Thomte, Voorhees & Sease

Address: 801 Grand Ave., Suite 3200

City: Des Moines State: Iowa Zip Code: 50309-2721

Country: USA Telephone: 515-288-3667 Fax: 515-288-1338

Name (Print/Type): DANIEL J. COSGROVE

Registration No. (Attorney/Agent)

36,770

Signature

Date

6/18/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NO./TITLE |
|--------------------|---------------------|-----------------------|---------------------------|
| 09/335,648 | 06/18/99 | KIMLE | K P03566US0 |

0212/0719
DANIEL J COSGROVE
ZARLEY MCKEE THOMTE VOORHEES & SEASE
SUITE 3200
801 GRAND AVENUE
DES MOINES IA 50309-2721

NOT ASSIGNED

2761

DATE MAILED:

07/19/99

NOTICE TO FILE MISSING PARTS OF APPLICATION

Filing Date Granted

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of \$65.00 for a small entity in compliance with 37 CFR 1.27, or \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a
☐ small entity (statement filed) ☐ non-small entity is \$ 310.00

☒ 1. The statutory basic filing fee is:

- ☐ missing.
☐ insufficient.

Applicant must submit \$ 380.00 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

☐ 2. The following additional claims fees are due:

\$ _____ for _____ total claims over 20.

\$ _____ for _____ independent claims over 3.

\$ _____ for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

☒ 3. The oath or declaration:

- ☒ is missing or unsigned.
☐ does not cover the newly submitted items.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

☐ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

☐ 7. Your filing receipt was mailed in error because your check was returned without payment.

☐ 8. The application was filed in a language other than English.

Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

☐ 9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

FORM PTO-1533 (REV. 8/96)

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/28/1999 TL0011 00000112 09335648 65.00 DP
015FC:205



\$ Sector

PATENT

Attorney Docket: P03566US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Kevin L. Kimle et al.
SERIAL NO: 09/335,648
FILED: 06/18/99
TITLE: METHOD FOR ELECTRONICALLY INITIATING AND
MANAGING AGRICULTURAL PRODUCTION CONTRACTS

COMPLETION OF FILING REQUIREMENTS

To the Assistant Commissioner for Patents
Washington, D.C. 20231

ATTN: Application Branch

Dear Sir:

This replies to the Office letter dated July 19, 1999. A copy of the Notice to File Missing Parts of Application -- Filing Date Granted (Form PTO-1533) is enclosed.

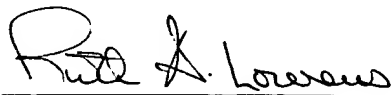
No original declaration was filed, and enclosed is the original declaration for this application.

Attached is a statement that the "attached" specification is a copy of the specification and any amendments thereto which were filed in the PTO to obtain the filing date.

Also attached is the required fee of \$65.00 for a small entity to cover the late filing of original declaration under

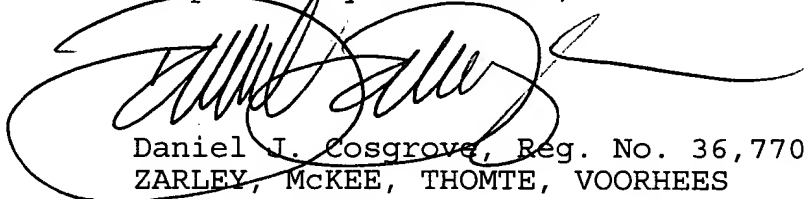
CERTIFICATE OF MAILING

I hereby certify that this document and the documents referred to as enclosed therein are being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Attn: Application Branch, Washington, D.C. 20231, on this 23rd day of July, 1999.


Ruth A. Lourens

as shown in my files to be the papers filed in respect to the above identified application and have compared them to the papers attached to the declaration of Kevin L. Kimle, et al. for METHOD FOR ELECTRONICALLY INITIATING AND MANAGING AGRICULTURAL PRODUCTION CONTRACTS which accompanies this statement and I declare that these papers attached to the declaration are a copy of the specification and any amendment thereto which I filed in the PTO in order to obtain a filing date for this application by mailing to the PTO by Express Mail bearing Mailing Label Number EL325950680US on June 18, 1999.

Respectfully submitted,

A large, stylized handwritten signature in black ink, appearing to read 'Daniel J. Cosgrove', is written over the typed name and firm name.

Daniel J. Cosgrove, Reg. No. 36,770
ZARLEY, MCKEE, THOMTE, VOORHEES
& SEASE

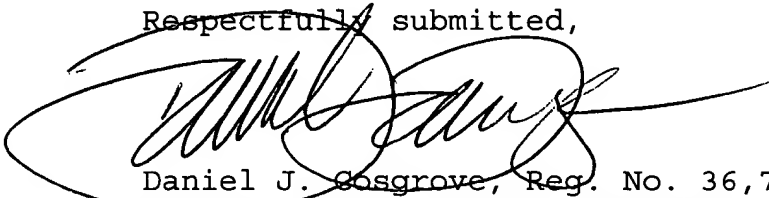
Attorneys of Record

801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Tel: (515) 288-3667
Fax: (515) 288-1338 -rl-

37 CFR 1.16(e). Applicant is a small entity, and a verified statement that this filing is by a small entity was filed on June 22, 1998. Applicant encloses a copy of the small entity form that was filed with the provisional application along with a copy of the Corrected Provisional Application Filing Receipt which also indicates that the Applicant is a small entity. Applicant also encloses a copy of the current Filing Receipt on SN 09/335,648 which also indicates the Applicant being a small entity.

Please charge any underpayment or credit any over payment to Deposit Account No. 26-0084. A duplicate of this request is attached.

Respectfully submitted,



Daniel J. Cosgrove, Reg. No. 36,770
ZARLEY, McKEE, THOMTE, VOORHEES
& SEASE
Attorneys of Record

801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Tel: (515) 288-3667
Fax: (515) 288-1338 -rl-



FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTORNEY DOCKET NO. | DRWGS | TOT CL | IND CL |
|--------------------|-------------|--------------|---------------|---------------------|-------|--------|--------|
| 09/335,648 | 06/18/99 | 2761 | \$530.00 | P03566USO | 29 | 28 | 5 |

DANIEL J COSGROVE
ZARLEY MCKEE THOMTE VOORHEES & SEASE
SUITE 3200
801 GRAND AVENUE
DES MOINES IA 50309-2721



Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) KEVIN L. KIMLE, AMES, IA; DAVID R. KROG, DES MOINES, IA;
JOHN E. STUCKI, WEST DES MOINES, IA; ALAN G. SCHMITZ,
ANKENY, IA; RYNOLD R. HARDER, AMES, IA.

CONTINUING DATA AS CLAIMED BY APPLICANT-
PROVISIONAL APPLICATION NO. 60/090,198 06/22/98

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 07/13/99 ** SMALL ENTITY **
TITLE
METHOD FOR ELECTRONICALLY INITIATING AND MANAGING AGRICULTURAL
PRODUCTION CONTRACTS

PRELIMINARY CLASS: 705

DATA ENTRY BY: TUTT, TONDENICA TEAM: 01 DATE: 07/13/99

(See reverse for new important information)

PROVISIONAL APPLICATION
FILING RECEIPT
CORRECTED



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

| APPLICATION NUMBER | FILING DATE | FIL FEE REC'D | ATTORNEY DOCKET NO. | DRWGS |
|--------------------|-------------|---------------|---------------------|-------|
| 60/090,198 | 06/22/98 | \$100.00 | | 22 |

BRUCE A JOHNSON
ZARLEY MCKEE THOMTE VOORHEES
AND SEASE
801 GRAND AVENUE SUITE 3200
DES MOINES IA 50309-2721



Receipt is acknowledged of this Provisional Application. This Provisional Application will not be examined for patentability. Be sure to provide the PROVISIONAL APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to Box Provisional Application within 10 days of receipt. Please provide a copy of the Provisional Application Filing Receipt with the changes noted thereon. This Provisional Application will automatically be abandoned twelve (12) months after its filing date and will not be subject to revival to restore it to pending status beyond a date which is after twelve (12) months from its filing date.

Applicant(s) KEVIN L. KIMLE, AMES, IA; DAVID R. KROG, DES MOINES, IA;
JOHN E. STUCKI, WEST DES MOINES, IA; REYNOLD RUSTY HARDER,
AMES, IA.

FOREIGN FILING LICENSE GRANTED 07/13/98

* SMALL ENTITY *

TITLE

METHOD FOR ELECTRONICALLY INITIATING AND MANAGING AGRICULTURAL
PRODUCTION CONTRACTS

EL325950680US



* EL325950680US *

POST OFFICE TO ADDRESSEE

Customer Copy
Label 11-F July 1997SEE REVERSE SIDE FOR
SERVICE GUARANTEE AND LIMITS
ON INSURANCE COVERAGE

| ORIGIN (POSTAL USE ONLY) | | |
|--|---|--|
| PO ZIP Code 50321 | Day of Delivery <input checked="" type="checkbox"/> Next <input type="checkbox"/> Second | Flat Rate Envelope <input type="checkbox"/> |
| Date In 6-18-99 Mo. Day Year | <input checked="" type="checkbox"/> 2 Noon <input type="checkbox"/> 3 PM | Postage \$15.75 |
| Time In <input type="checkbox"/> 1810 <input type="checkbox"/> PM | Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day | Return Receipt Fee |
| Weight lbs. 14 ozs. | Int'l Alpha Country Code | COD Fee Insurance Fee |
| No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday | Acceptance Clerk Initials AEL | Total Postage & Fees \$15.75 |

| CUSTOMER USE ONLY | |
|--|--|
| METHOD OF PAYMENT: Express Mail Corporate Acct. No. X503067 | <input type="checkbox"/> WAIVER OF SIGNATURE (Domestic Only): Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery. |
| Federal Agency Acct. No. or Postal Service Acct. No. | NO DELIVERY <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday |

| | |
|---|---|
| FROM: (PLEASE PRINT) ZARLEY MCKEE THOMTE 801 GRAND AVE STE 3200 DES MOINES IA 50309-2721 DJC-E214 PO 3566450 | TO: (PLEASE PRINT) ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON DC 20231-0001 Attn: New Patent apple. |
|---|---|

PRESS HARD. You are making 3 copies. FOR PICKUP OR TRACKING CALL 1-800-222-1811 WWW.USPS.GOV



PATENT
Attorney Docket: P03566US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Kevin L. Kimle et al.
SERIAL NO: 09/335,648
FILED: 06/18/99
TITLE: METHOD FOR ELECTRONICALLY INITIATING AND
MANAGING AGRICULTURAL PRODUCTION CONTRACTS

STATEMENT BY ATTORNEY THAT PAPERS ATTACHED TO
DECLARATION ARE A COPY OF THOSE FILED IN PTO TO GET
A FILING DATE

To the Assistant Commissioner for Patents
Washington, D.C. 20231

ATTN: Application Branch

Dear Sir:

I, Daniel J. Zarley of Zarley, McKee, Thomte, Voorhees &
Sease, 801 Grand Avenue, Suite 3200, Des Moines, Iowa 50309-
2721, Registration No. 36,770, Telephone (515) 288-3667, state
that I am the attorney for this application and that I have
reviewed the

[1] page(s) of Abstract ✓
[29] pages of Specification ✓
[7] pages of claims ✓
[27] sheets of drawings ✓
[0] amendment

CERTIFICATE OF MAILING

I hereby certify that this document and the documents referred to as
enclosed therein are being deposited with the United States Postal Service
as First Class mail in an envelope addressed to: Assistant Commissioner for
Patents, Attn: Application Branch, Washington, D.C. 20231, on this 23rd day
of July, 1999.



Ruth A. Lourens

